

1    **CLAIMS**

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3    1.    A method of preparing a composition for the  
4           treatment of dermatological disorders, wherein coal  
5           tar is filtered to remove impurities by filter  
6           compression.

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8    2.    A method as in Claim, wherein zinc pyrithione is  
9           incorporated into the composition.

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11   3.    A method as in any of the previous Claims, wherein  
12           the coal tar is filtered by being fed through a  
13           compressed charcoal filter.

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15   4.    A method as in Claim 3, wherein the coal tar is fed  
16           through the filter at 17 to 19 psi.

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18   5.    A method as in Claim 3, wherein the coal tar is fed  
19           through the filter at 18 psi.

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21   6.    A method as in Claims 3 to 5, wherein compressed air  
22           is used to force the coal tar through the filter.

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24   7.    A method as in Claims 3 to 6, wherein the coal tar  
25           is left in the filter system for 8 hours.

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27   8.    A method as in Claims 3 to 7, wherein the fluid that  
28           has been passed through the filter is boiled.

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30   9.    A method as in Claim 8, wherein the fluid that has  
31           been passed through the filter is boiled for 5  
32           minutes.

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- 1 10. A method as in Claims 8 or 9, wherein the boiled,  
2 filtered fluid is allowed to cool to room  
3 temperature.  
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- 5 11. A method as in Claims 8, 9 or 10, wherein the top  
6 layer of the boiled, filtered fluid is refiltered.  
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- 8 12. A method as in Claim 11, wherein refiltering is  
9 through a nylon mesh.  
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- 11 13. A method as in any of the previous Claims, where a  
12 surfactant is added to the formulation.  
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- 14 14. A method as in Claim 13, wherein the surfactant is  
15 an ionic surfactant.  
16
- 17 15. A method as in Claims 13 or 14, wherein the  
18 surfactant is sodium lauryl sulphate.  
19
- 20 16. A method as in any of the previous Claims, wherein a  
21 carrier is added to the formulation.  
22
- 23 17. A method as in any of the previous Claims, wherein  
24 multiple carriers are added to the formulation.  
25
- 26 18. A method as in Claims 16 or 17, wherein the carrier  
27 is isopropyl myristate.  
28
- 29 19. A method as in Claims 16 or 17, wherein the carrier  
30 is ethyl alcohol.  
31

- 1 20. A method as in any of the previous Claims, wherein  
2 the formulation is placed in a spray or aerosol  
3 container.  
4
- 5 21. A composition for the treatment of dermatological  
6 disorders comprising:  
7
- 8 • coal tar;
  - 9 • zinc pyrithione;
  - 10 • one or more surfactants; and
  - 11 • one or more carriers
- 12
- 13 22. A method as in Claim 21, wherein the composition  
14 also contains allantoin.  
15
- 16 23. A composition as in Claims 21 and 22, wherein the  
17 surfactant is an ionic surfactant.  
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- 19 24. A composition as in Claims 21 to 23, wherein the  
20 surfactant is sodium lauryl sulphate.  
21
- 22 25. A composition as in Claims 21 to 24, wherein the  
23 carrier is isopropyl myristate.  
24
- 25 26. A composition as in Claims 21 to 24, wherein the  
26 carrier is ethyl alcohol.  
27
- 28 27. A composition as in Claims 21 to 25, wherein the  
29 composition also comprises an anti-fungal agent.  
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- 31 28. A composition as in Claim 27, wherein the anti-  
32 fungal agent is undecylenic acid.  
33

1 29. A composition for the treatment of dermatological  
2 disorders, comprising:

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- 4 • zinc pyrithione;
  - 5 • alcoholic extract of coal tar;
  - 6 • allantoin;
  - 7 • sodium lauryl sulphate;
  - 8 • isopropyl myristate;
  - 9 • ethyl alcohol; and
  - 10 • undecylenic acid
- 11

12 30. A composition as in Claim 29, wherein the  
13 ingredients in the following amounts:

- 14
- |                                    |        |
|------------------------------------|--------|
| 15 • zinc pyrithione               | 0.20%  |
| 16 • alcoholic extract of coal tar | 0.25%  |
| 17 • allantoin                     | 0.25%  |
| 18 • sodium lauryl sulphate        | 0.10%  |
| 19 • isopropyl myristate           | 49.45% |
| 20 • ethyl alcohol                 | 49.45% |
| 21 • undecylenic acid              | 0.30%  |
- 22

23 31. A composition as in Claims 21 to 30, wherein the  
24 composition is provided in a spray form.

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26 32. A composition as in Claims 21 to 30, wherein the  
27 composition is provided in an aerosol form.

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